

RECEIVED  
CENTRAL FAX CENTER

APR 17 2006



# HAMRE, SCHUMANN, MUELLER & LARSON, P.C.

AN INTERNATIONAL INTELLECTUAL PROPERTY LAW FIRM

FAX TRANSMISSION April 17, 2006

TO: Mail Stop: AF  
Examiner: Agustin  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

FROM: Douglas P. Mueller

OUR REF: 10873.0887USWO

TELEPHONE: (612) 455.3800

Total pages, including cover letter: 5

PTO FAX NUMBER: 571.273.8300

If all pages are NOT received, please call us at 612.455.3800 or fax us at 612.455.3801.

Title of Document: Response

Applicant: NAKANISHI et al  
Serial No.: 10/070,288  
App. Filed: February 28, 2002  
Group Art No.: 2652

Please charge any additional fees or credit overpayment to Deposit Account No. 50-3478. Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate.

By: A handwritten signature of Douglas P. Mueller is written over a horizontal line. The signature is cursive and appears to read "Douglas P. Mueller".  
Name: Douglas P. Mueller  
Reg. No. 30,300

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

Carrie Vanderlinde

A handwritten signature of Carrie Vanderlinde is written over a horizontal line. The signature is cursive and appears to read "Carrie Vanderlinde".  
Signature

Date

4-17-06

---

225 SOUTH SIXTH STREET · SUITE 2650 · MINNEAPOLIS · MN 55402  
TEL 612.455.3800 · FAX 612.455.3801  
WWW.HSML.COM · MAIL@HSML.COM

RECEIVED  
CENTRAL FAX CENTER

APR 17 2006

S/N 10/070,288

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Nakanishi et al	Examiner:	P. Agustin
Serial No.:	10/070,288	Group Art Unit:	2652
Filed:	February 28, 2002	Docket No.:	10873.0887USWO
Title:	OPTICAL ELEMENT, SEMICONDUCTOR DEVICE, AND OPTICAL INFORMATION RECORDING DEVICE EMPLOYING THE SAME		

## CERTIFICATE UNDER 37 CFR 1.6(d):

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on April 17, 2006.

By: Carric Vanderlinde  
Name: Carric Vanderlinde

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RESPONSE

Dear Sir:

In response to the Office Action mailed January 20, 2006, favorable reconsideration of this application is requested in view of the following remarks.

Claims 1, 2, 9, and 16 were rejected as being anticipated by Yamazaki (US 5,608,695). Applicants traverse this rejection. Claims 1 and 16 require an optical semiconductor device including an emitted beam dividing portion that includes a first, second, and third diffraction grating regions for dividing an emitted light beam from the laser element into a main beam and two sub beams, and a signal-detecting photodetector element that receives a beam obtained by diffracting the reflected light beam of the main beam with the reflected beam dividing portion and then diffracting an obtained zero order diffracted beam with the first diffraction grating region of the emitted beam dividing portion. However, Yamazaki does not disclose a second hologram (28b, the rejection equates to the claimed emitted beam dividing portion) that both